

PATENT  
2520-1024

**IN THE U.S. PATENT AND TRADEMARK OFFICE**

In re application of: Edoardo Pio TUSACCIU

Appl. No.: **NEW NON-PROVISIONAL** Group:

Filed: June 25, 2003 Examiner:

For: SET OF ELEMENTS FOR ASSEMBLING STRUCTURES

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 25, 2003

Sir:

The following preliminary amendments and remarks are respectfully submitted in connection with the above-identified application.

IN THE ABSTRACT OF THE DISCLOSURE:

Please replace the Abstract of the Disclosure with the rewritten Abstract of the Disclosure on a separate sheet attached hereto.

IN THE CLAIMS:

Please cancel claim 22 without prejudice or disclaimer of the subject matter contained therein.

Please amend the claims as follows:

3. (amended) Set of elements according to claim 1, characterised in that the ferromagnetic elements have a spherical shape.

4. (amended) Set of elements according to claim 1, characterised in that said second length of the second bar elements corresponds to the length of the diagonal of the square comprised of four first bar elements as sides, coupled each other in correspondence of the corners of the square by four electromagnetic elements.

5. (amended) Set of elements according to claim 1, characterised in that said second length of the second bar elements corresponds to a integral fraction of the length of the diagonal of the square comprised of four first bar elements as sides, coupled each other in correspondence of the corners of the square by four electromagnetic elements.

9. (amended) Set of elements according to claim 3, characterised in that said second length of the second bar elements is the half ( $1/2$ ) of the diagonal of the square comprised of four first bar elements as sides, coupled each other in correspondence of the corners of the square by four

electromagnetic elements, minus one of the main dimensions of said ferromagnetic element.

10. (amended) Set of elements according claim 9, characterised in that said main dimension is the diameter of the sphere.

11. (amended) Set of elements according to claim 9, characterised in that said ferromagnetic elements are used both as vertex of the complex figures and as coupling elements for said second bar elements provided along said diagonals.

12. (amended) Set of elements according to claim 9, characterised in that said ferromagnetic elements are used both as vertex of the complex figures and as coupling elements of at least two of said second bar elements, in such a way to couple with the same second bar elements at the centre of complex figures.

14. (amended) Set of elements according to claim 1, characterised in that it provides second ferromagnetic elements having dimensions different with respect to those of the first ferromagnetic elements.

16. (amended) Set of elements according to claim 14, characterised in that said second ferromagnetic elements are used as coupling elements provided in such a way to couple at the centre of complex figures.

17. (amended) Set of elements according to claim 1, characterised in that said first bar elements have an octagonal cross-section.

18. (amended) Set of elements according to claim 1, characterised in that said second bar elements have an octagonal cross-section.

19. (amended) Set of elements according to claim 1, characterised in that said first bar elements and/or said second bar elements have an outer cover, said cover does not cover the basis of the bar element.

20. (amended) Set of elements according to claim 1, characterised in that said first bar elements and/or said second bar elements can have an outer cover that can partially or completely include the basis, said cover being preferably comprised of plastic material.

21. (amended) Set of elements according to claim 19, characterised in that, the ferromagnetic elements are comprised of steel.

Please add the following claims:

-- 23. (new) Set of elements according to claim 1, characterised in that said second length of the second bar elements is the half ( $1/2$ ) of the diagonal of the square comprised of four first bar elements as sides, coupled each other in correspondence of the corners of the square by four electromagnetic elements, minus one of the main dimensions of said ferromagnetic element.--